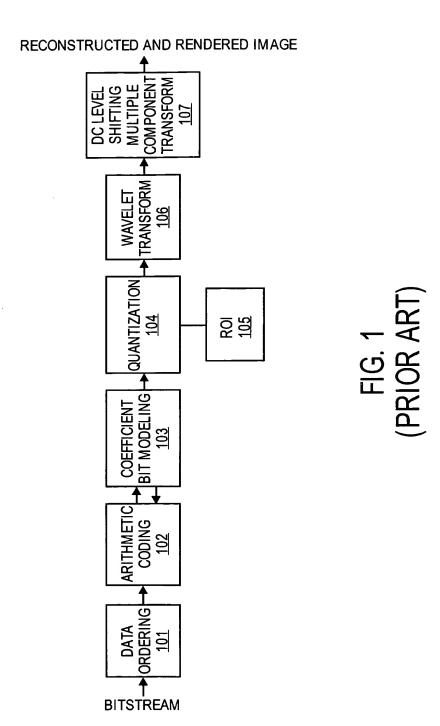


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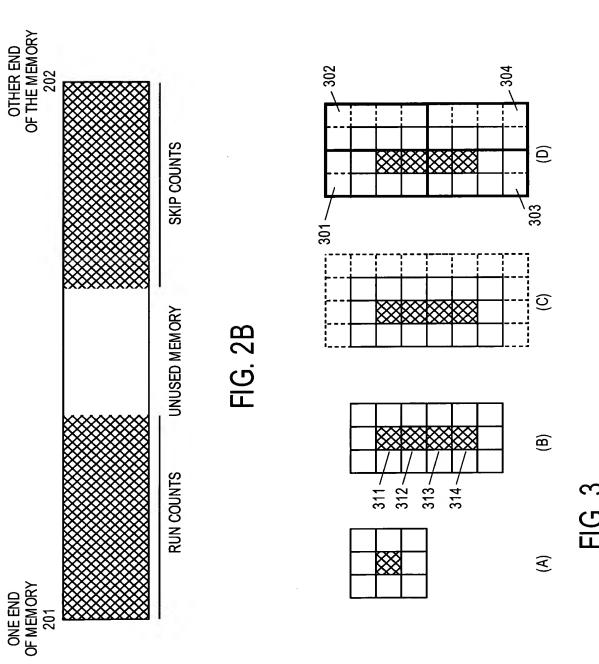


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SP 0	SP 4	C 8	C 12	C 16	C 20	C 24	C C 28
R 1	SP 5	C 9	L C 13	C 17	C 21	C C 25	C 29
R I 2 I	I SP I	I SP I 10 I	I SP I I 14 I	I SP I I 18 I	I C I 22 I	I C I 26 I	I C I 30
SP 3 1	SP 7	R 11	R 15	SP 19	C C 23	C 27	C 31
I C 32	SP 36	I SP I 40	I SP I 44 I	SP 48	l C I 52	I C I 56	C 60
1 C	C 37	C 41	C 45	C I 49	C 53	C 57	C 61
C 34	C 38	C 42	C 46	C 50	C 54	C 58	C 62
C 25	I C I 39	C 43	C 47	C 51	I C I 55	I C I 59	I C 63

FIG. 2A (PRIOR ART)

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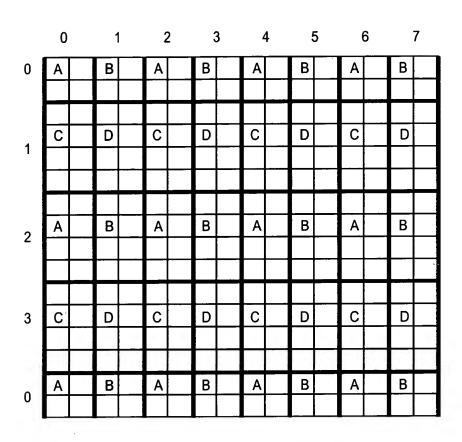
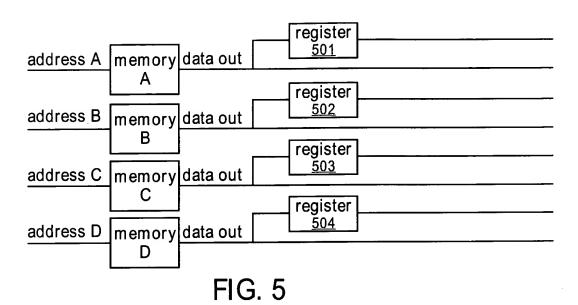


FIG. 4



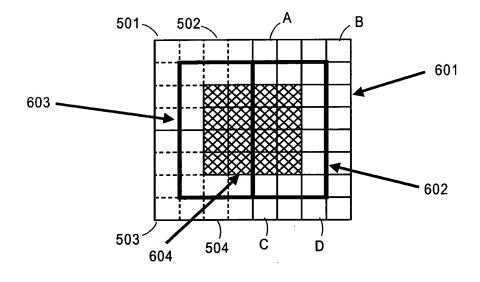
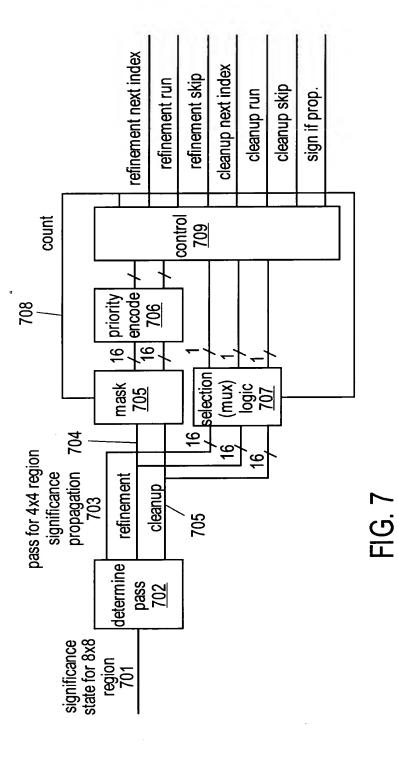


FIG. 6



SP pass: 10*2 for SP pass coefficients 6 for C and R pass coefficients

SP = significance propagation

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C= cleanup R= refinement

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C pass: 4*2 for C pass coefficients R pass: 2 for R pass

total: 36 clocks = 2.25 clocks per coefficient

FIG. 8

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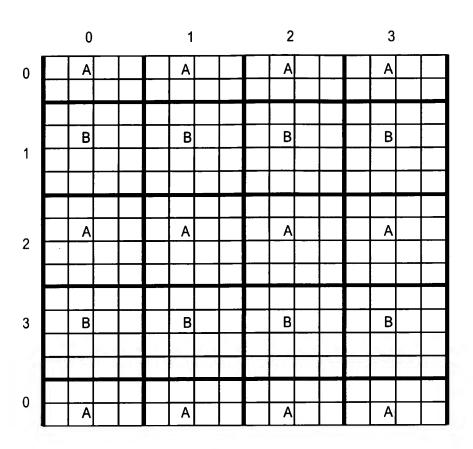
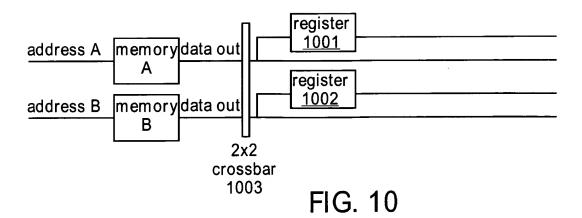
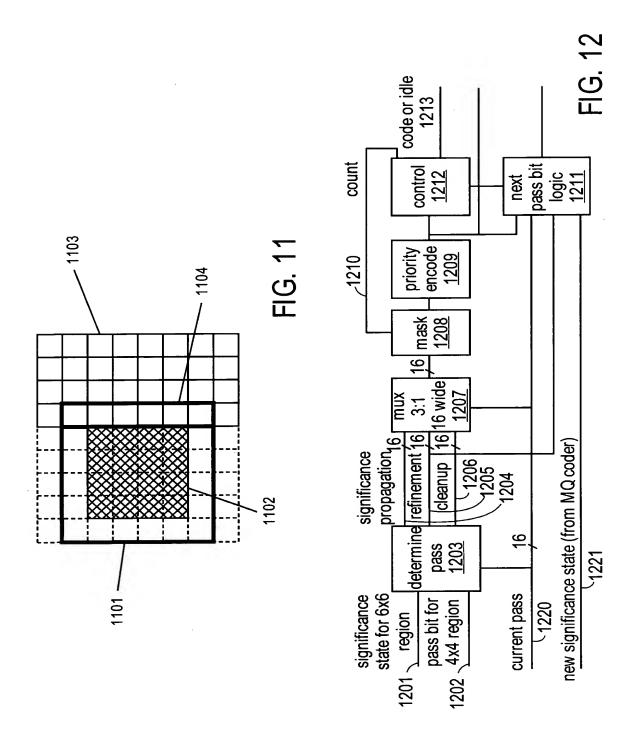


FIG. 9





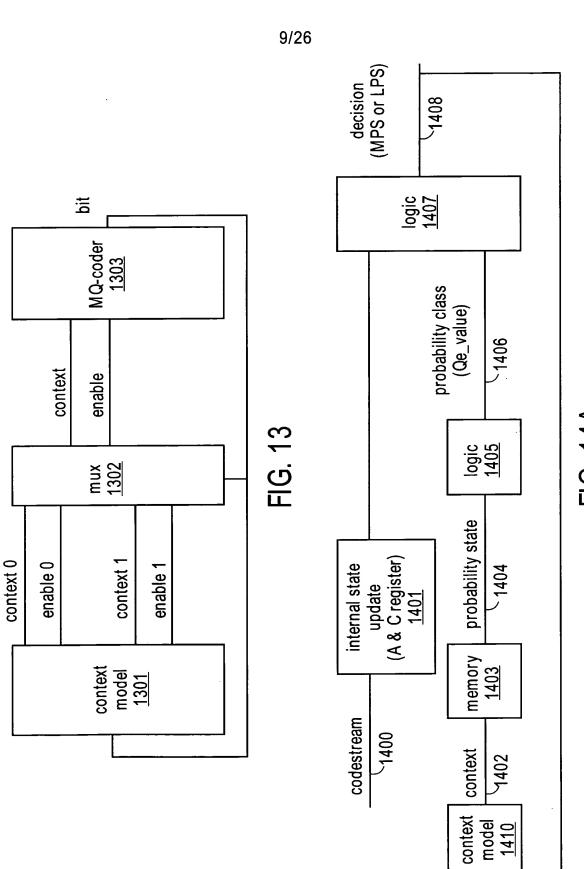


FIG. 14A

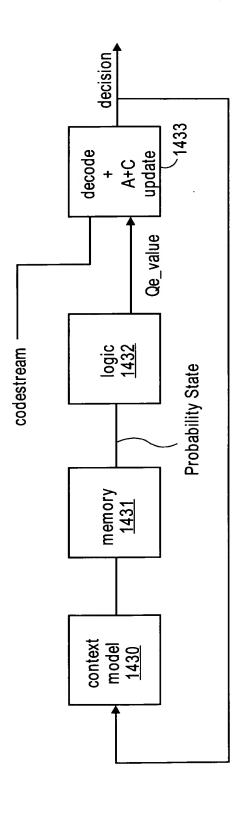
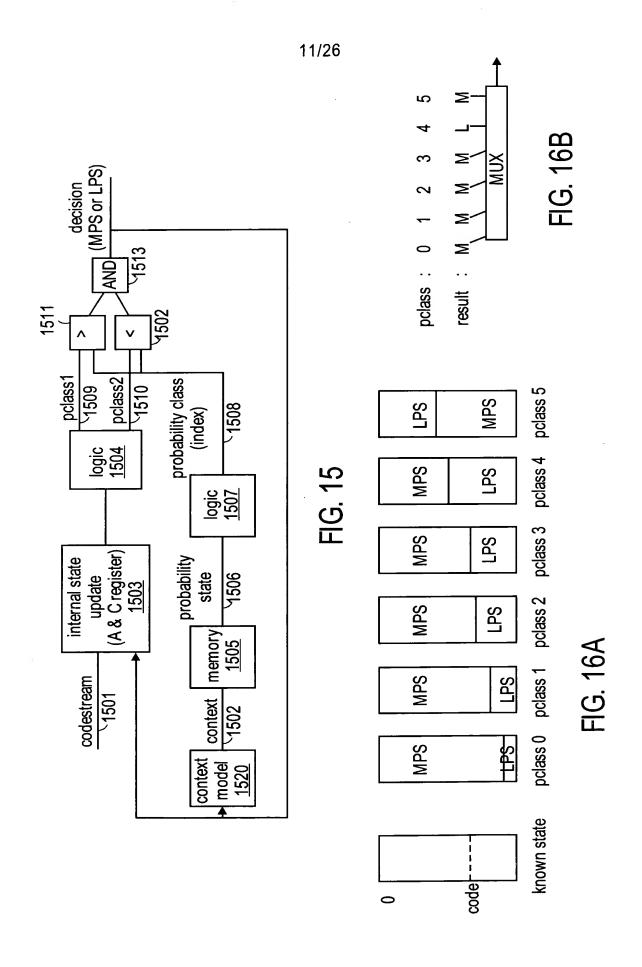


FIG. 14B



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5MPS 4 MPS 3 MPS 2 MPS 1 MPS LPS

FIG. 17

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luminance		chrominance		chror	chrominance	
A A A A A A	D	B B B B B	D	C C C C	D	
A	Α	В	В	С	С	
(A)						
A A A A	В	C C C C C C	D -	E E E	F	
В	Α	D	С	F	E	
(B)						
F F F F A A	С	G G C B C	F	E E E D D	E	
A	В	D	Н	G	Н	
			(C)			

FIG. 18

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luminance		chrominance	chrominance
A A A A	В	C C C	D D D D D
В	A	С	D
		(/	A)
F F F	С	B B C A B	D D F D E
А	В	D	E
		(1)	В)
A A A	С	E E E	G G G G G
В	D	F	H H
		(0	C)

FIG. 19

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luminance		chrominance	chrominance	
A A D D A	С	B B D D B	C C D D C	
A	В			
	•	(A)		
A A A A A	С	E E E	F F F	
В	D			
		(B)		
A A A A B A	E	F F H B F	G G H B G	
С	D			
		(C)		

FIG. 20

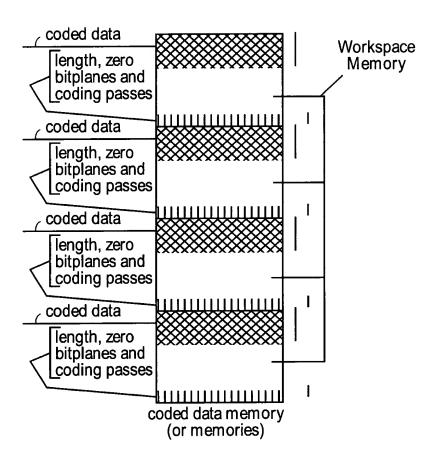


FIG. 21

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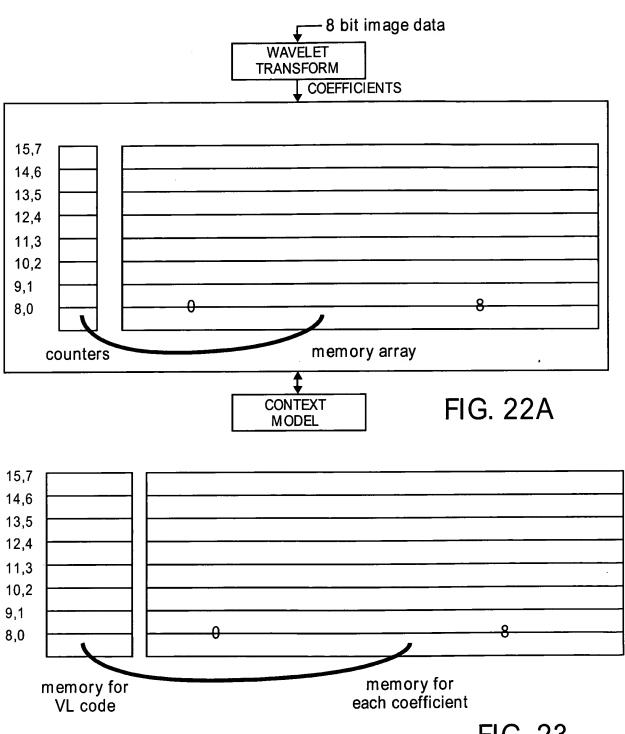


FIG. 23

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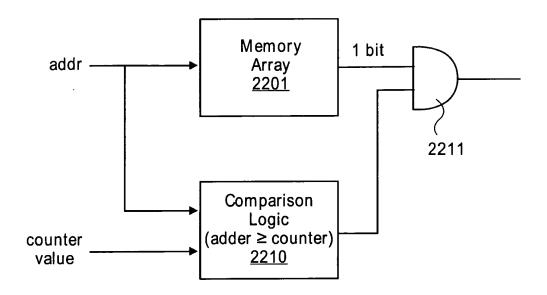
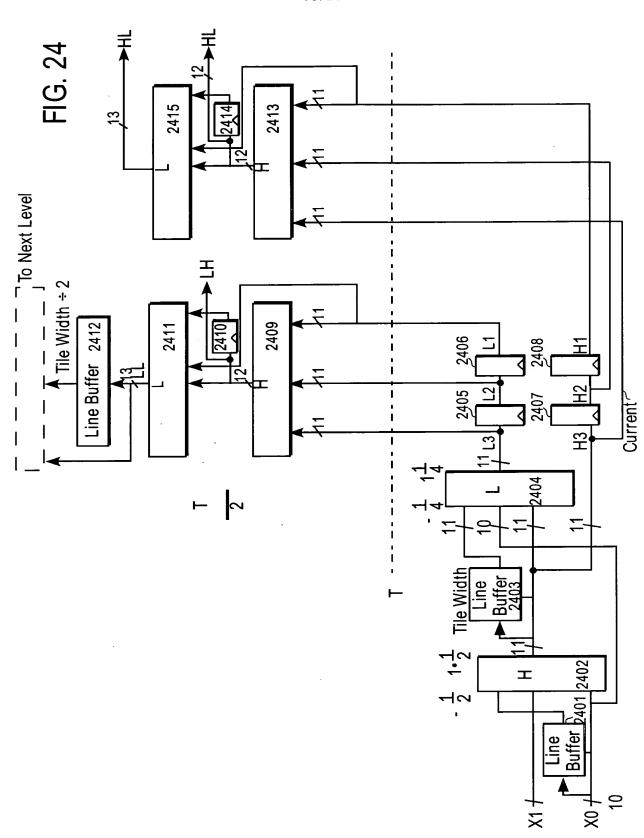
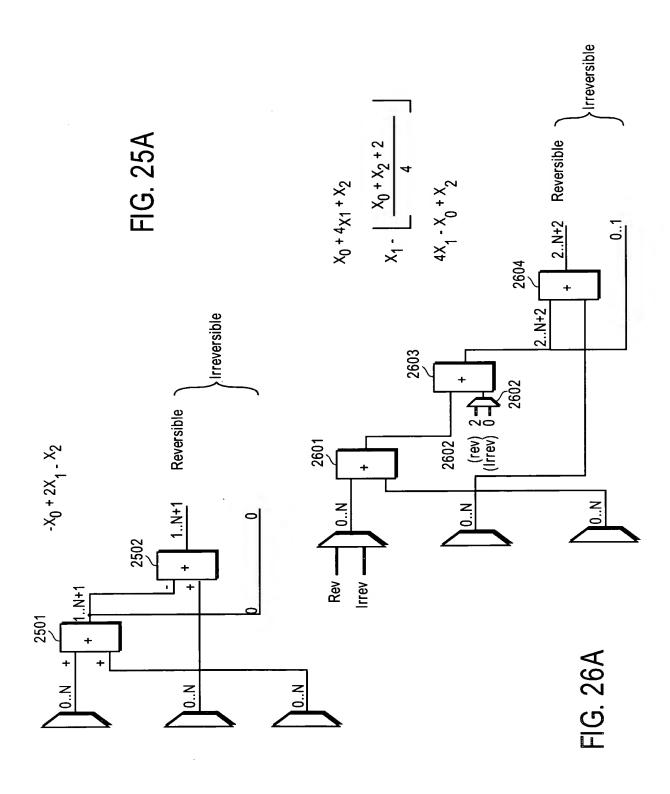


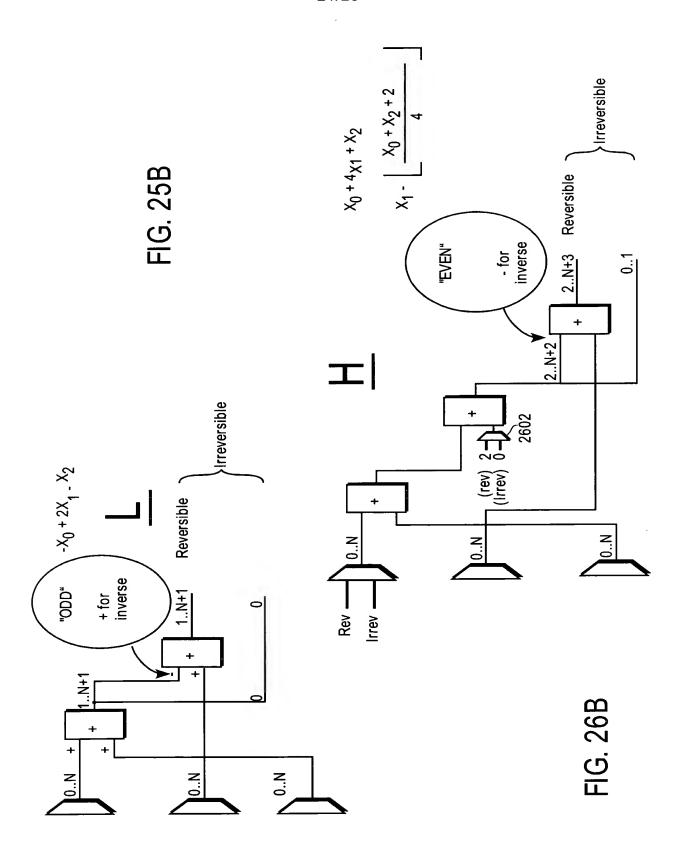
FIG. 22B

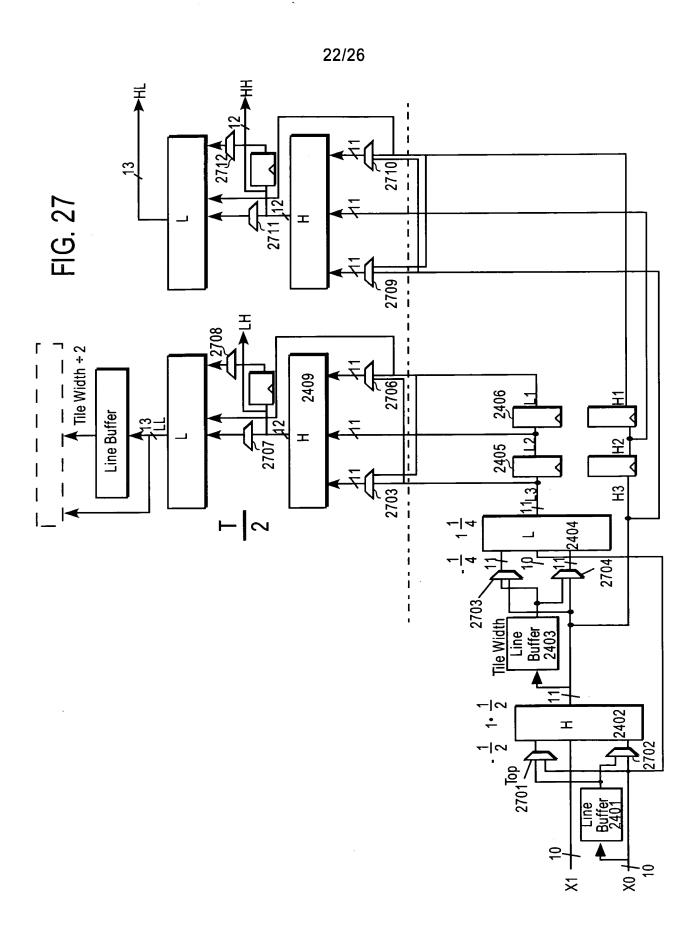


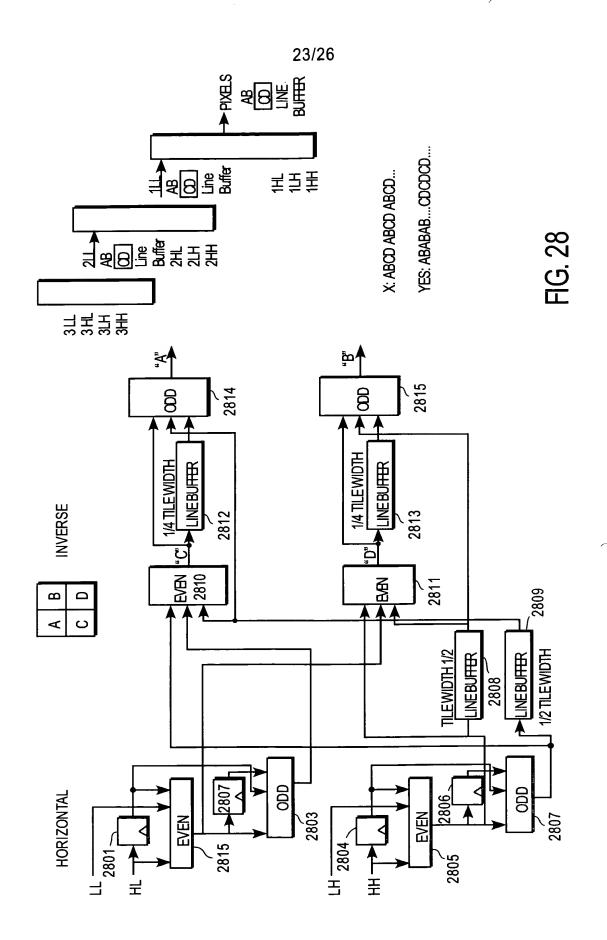


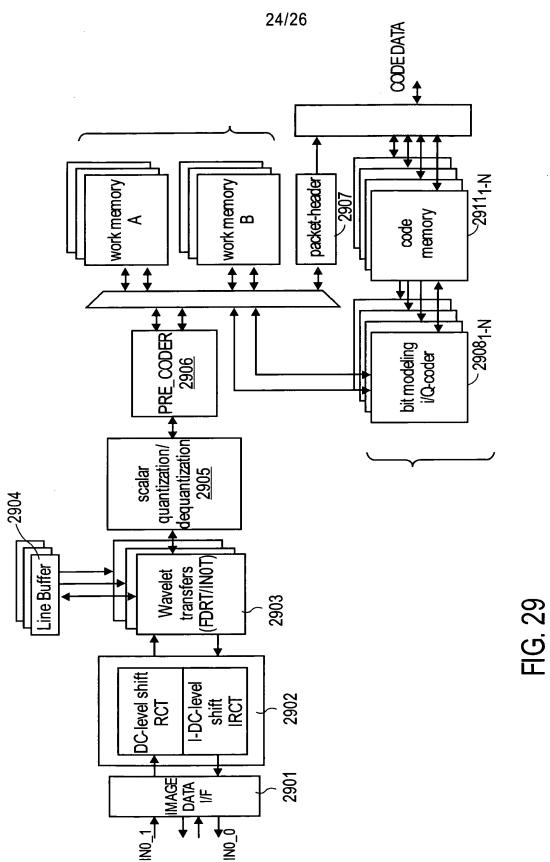


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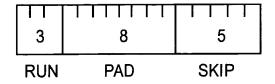


FIG. 30

8x8 region

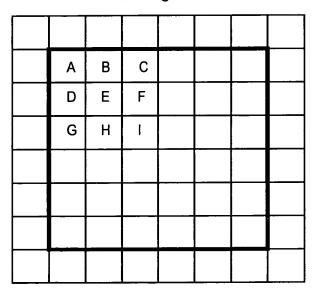


FIG. 31

